

IN THE CLAIMS:

1– 5. (Canceled)

6. (Currently Amended) A medical active ingredient dispensing system, comprising:

a carrier liquid container;

a supply line leading from said carrier liquid container to a patient;

5 a module with a base part having a coupler including a first side coupler part and a
second side coupler part for receiving and sending electricity and data for series connection with
a base part having a coupler of another adjacent module, and a cartridge with a fluid interface
for connection to the supply line leading to the patient, said cartridge for receiving and holding
a medical active ingredient and including a delivery device for delivering the medical active
ingredient from said cartridge to said fluid interface and into said carrier liquid in said supply
10 line, said base part having a cartridge holding means for accommodating said cartridge and
positioning said fluid interface relative to said base and relative to the supply line; and

another module with a base part having a coupler including a first side coupler part and
a second side coupler part for receiving and sending electricity and data for series connection
with a base part having a coupler of another adjacent module, and a cartridge with a fluid
15 interface for connection to the supply line leading to the patient, said cartridge for receiving
and holding a medical active ingredient and including a delivery device for delivering the
medical active ingredient from said cartridge to said fluid interface and into said carrier liquid
in said supply line, said base part of said another module having a cartridge holding means for

accommodating said cartridge of said another module and positioning said fluid interface of said another module relative to said base of said another module and relative to the supply line, said module and said another module being coupled in series with one of said first side coupler part and second side coupler part of said module coupled with one of said first side coupler part and second side coupler part of said another module and with each of said module fluid interface and said another module fluid interface connected to said supply line.

7. (Canceled)

8. (Previously Presented) A system in accordance with claim 6, wherein said delivery device comprises a micropump.

9. (Previously Presented) A system in accordance with claim 6, wherein said cartridge has a code means for passing medical active ingredient information from said cartridge to said lower part.

10. (Previously Presented) A system in accordance with claim 9, wherein said delivery device receives delivery information associated with said medical active ingredient information with said delivery information being provided by a code reader for reading said code of said cartridge.

11. (Previously Presented) A system in accordance with claim 6, wherein said cartridge comprises a disposable article detachably connected to said base part of said module.

12. (Original) A system in accordance with claim 10, wherein said coupler includes pins and a receiving portion for coupling with pins of an adjacent module for electric and data coupling and mechanical connection.

13. (Currently Amended) A system in accordance with claim 12, further comprising:
an evaluating and control unit for processing data from connected modules and for receiving information stored on the code, said evaluation and control unit being connected to each of said module and said another module via one of said first side coupler part of said module, said second side coupler part of said module, said first side coupler part of said another module and said second side coupler part of said another module.

14. (Currently Amended) A medical active ingredient dispensing system, comprising:
a solution container;
a pump;
a supply line leading from said solution container to a patient connection location, said pump for feeding solution from said container to said patient connection location;
a first module base part comprising:
a first module supply line receiving portion, said first supply line

extending through said first module supply line receiving portion;

10 a first module cartridge holding means for cartridge accommodation and
for fluid interface positioning relative to said first module base and relative to
said supply line; and

 a first module coupler including a first module first side coupler part for
receiving and sending electricity and a first module second side coupler part for
receiving and sending electricity;

15 a first module cartridge with a shape for connecting to said first module base part via
said first module cartridge holding means to position said first module cartridge relative to said
first module base part, said first module cartridge defining a first medical active ingredient
container with medical active ingredient therein and said first module cartridge comprising;

20 a first module fluid interface for connecting to the supply line at said first
module supply line receiving portion and

 a first module delivery device delivering the medical active ingredient
from said cartridge through said fluid interface to said supply line;

a second module base part comprising;

25 a second module supply line receiving portion, said second supply line
extending through said second module supply line receiving portion;

a second module cartridge holding means for cartridge accommodation
and for fluid interface positioning relative to said second module base and
relative to said supply line; and

a second module coupler including a second module first coupler part for
30 receiving and sending electricity and a second module second side coupler part for
receiving and sending electricity; and

a second module cartridge with a shape for connecting to said second module base part
via said second module cartridge holding means to position said second module cartridge
relative to said second module base part, said second module cartridge defining a second
35 medical active ingredient container with medical active ingredient therein and said second
module cartridge comprising:

a second module fluid interface for connecting to the supply line at said
second module supply line receiving portion; and

a second module delivery device delivering the medical active ingredient
40 from said cartridge through said fluid interface to said supply line,

wherein said first module coupler is connected to said second module coupler with one of said
first module first side coupler part and said first module second side coupler part connected to
one of said second module first side coupler part and said second module second side coupler
part with each of said first module fluid interface and said second module fluid interface
45 connected to said supply line.

15. (Previously Presented) A system in accordance with claim 14, further comprising:

a first code means with a code element on said first cartridge and a code interface at said
first base part for passing medical active ingredient information, relating to the medical active

ingredient in said first cartridge, from said first cartridge to said first base part;

5 a second code means with a code element on said second cartridge and a code interface at said second base part for passing medical active ingredient information, relating to the medical active ingredient in said second cartridge, from said second cartridge to said second base part; and

10 an evaluating and control unit for processing data from said first module and said second module and for receiving information stored on said first code means and said second code means and for controlling each of said first module delivery device and said second module delivery device, said evaluating and control unit being connected to said first base part and said second base part via one of said first module coupler and said second module coupler.

16. (Previously Presented) A system in accordance with claim 15, wherein each said delivery device comprises a micropump.

17. (Previously Presented) A system in accordance with claim 15, wherein each said cartridge comprises a disposable article detachably from each respective base part.

18. (Previously Presented) A system in accordance with claim 15, wherein said first module first side coupler part comprises pins and said first module second side coupler part comprises a receiving portion for coupling with pins and said second module first side coupler part comprises pins and said second module second side coupler part comprises a receiving

5 portion for coupling with pins whereby a mechanical connection is provided by one of said first module first side coupler part and said first module second side coupler part being connected to one of said second module first coupler part and said second module second side coupler part.

19. (Previously Presented) A system in accordance with claim 15, wherein each said base unit includes a guiding structure for positioning each fluid interface relative to said supply line with a cartridge connected to a respective said base unit.